



California Department of Transportation

Duty Statement

CLASSIFICATION TITLE Caltrans Electrician II		DISTRICT/DIVISION/OFFICE 10/640 Electrical
WORKING TITLE Electrician	POSITION NUMBER 910-640-6924	EFFECTIVE

As a valued member of the Caltrans team, you make it possible for the Department to improve the mobility across California by being innovative and flexible; reporting to work regularly and on time; working cooperatively with team members and others; and treating others fairly, honestly and with respect. Your efforts are important to each member of the team, as well as those we serve.

General Statement:

This is a journey level classification. Under direction, incumbents are responsible for the installation, maintenance and repair of complex electric and electronically controlled devices. Incumbents may act as Leadworker. Incumbents will install, maintain, and repair various types of electrical and electronic apparatus including, but not limited to traffic signals, pumping plants, highway lighting, highway advisory radios and high voltage equipment associated with bridges and related structures. A valid Class C license is required; must be able to operate Class B equipment. Class "B" License desirable, within (6) months of date of hire.

Employee may travel up to 25% of the time.

Typical Duties:

Percentage Job Description
Essential (E) / Marginal (M)

50%(E)	Work Independently installs, repairs and maintains electrical and electronic equipment in Maintenance Facilities and Right of Ways. Driving and operating of equipment including, but not limited to various personnel hoists.
40%	Work or with others, installing repairing and maintains electrical and electronic equipment in Maintenance Facilities and Right of Ways. Driving and operating equipment including, but not limited to various personnel hoists. May also required to supervise or train others; as required inspects traffic signals and other electrical installations under contract.
10%(E)	Makes electrical or electronic project estimates, keeps simple records, computer data entry, purchase supplies as necessary for this work.

Supervision Exercised Over Others

Will as required lead and oversee the work of one or more lesser skilled employee(s). The work might involve a wide range of re-lamping, knockdown electrical, or electronics repair.



California Department of Transportation Duty Statement

Knowledge, Abilities and Analytical Requirements

Knowledge of electrical theory and practice, including minor power, lighting and control circuits; materials, methods and equipment used in the installation, maintenance and repair of electrical and electronic control devices; Electrical Safety Orders, Codes, Cal OSHA requirements, Departmental Safety Policies and Procedures, and other codes applicable to the electrical function.

Ability to read, write, and follow oral and written directions in English at a level required for successful job performance; maintain records and prepare reports; prepare estimates and order materials and equipment; instruct, lead and inspect the work of crews engaged in highway electrical work; analyze situations accurately and adopt an effective course of action.

Consequence of Error/Responsibility for Decisions

Poor decisions could result in the failure to properly service and maintain or operate equipment and cause excessive repair costs, loss of equipment and negatively impact work production. Negligence could also cause physical harm to the general public, operator and/or crewmembers. Employees of the State may be held liable for their own actions as a result of their carelessness on a job.

Public And Internal Contacts

The incumbent may be asked to work with representatives from both public and private Local Agencies as well as all levels of Caltrans Management.

Work Environment

The incumbent may/will be exposed to and work in loud noise; dust; chemicals; extreme weather conditions, great heights, confined spaces, uneven and unstable terrain, and next to vehicle traffic. The incumbent will be required to wear all personal protective equipment; move heavy objects; stand or sit for prolonged periods. Wear and use all required personal safety equipment. Follow all policies, and procedures. Incumbent will be required to work rotating or irregular shifts, including weekends, nights, holidays and overtime, and responds to after-hour emergencies.

Physical, Mental And Emotional Requirements

Employee will be required to bend; stoop; climb; kneel, reach, push, pull, sit and stand for long periods of time. May be required to assist in the clean up in the event of various types of accidents involving personal injury to others and/or hazardous spills. Must have ability to develop and maintain cooperative working relationships; respond appropriately to difficult situations; recognize emotionally charged issues or problems; and acknowledge the various responses. Employee must be able to work alone.



California Department of Transportation
Duty Statement

I have read and understand the duties listed above and can perform them with/without reasonable accommodations. (If you believe you may require reasonable accommodation, please discuss this with the hiring supervisor. If you are unsure whether you require reasonable accommodation, inform the hiring supervisor who will discuss your concerns with the Reasonable Accommodation Coordinator.)

EMPLOYEE

DATE

I have discussed the duties with and provided a copy of this duty statement to the named above.

SUPERVISOR

DATE